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(FILE 'HOME' ENTERED AT 19:20:30 ON 06 AUG 2009)

FILE 'REGISTRY' ENTERED AT 19:20:45 ON 06 AUG 2009  
L1           STRUCTURE uploaded

D

L2       4731 SEA SSS FUL L1  
L3           STRUCTURE uploaded

D

L4       96 SEA SUB=L2 SSS FUL L3

FILE 'ZCPLUS' ENTERED AT 19:24:12 ON 06 AUG 2009  
L5       28 SEA ABB=ON PLU=ON L4  
L6       19 SEA ABB=ON PLU=ON L5 AND (PRD<=20040202 OR PD<=20040202)  
D L6 1-19 IBIB HITSTR

FILE 'STNGUIDE' ENTERED AT 19:36:55 ON 06 AUG 2009

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 5 AUG 2009 HIGHEST RN 1173150-47-4  
DICTIONARY FILE UPDATES: 5 AUG 2009 HIGHEST RN 1173150-47-4

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE ZCPLUS

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FILE COVERS 1907 - 6 Aug 2009 VOL 151 ISS 6

FILE LAST UPDATED: 4 Aug 2009 (20090804/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

ZCplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

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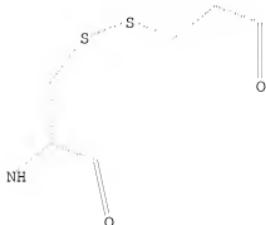
This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/Cplus family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 22.

FILE STNGUIDE  
FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Jul 31, 2009 (20090731/UP).

L1

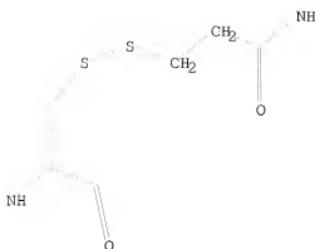
STR



Structure attributes must be viewed using STN Express query preparation.

L2 4731 SEA FILE=REGISTRY SSS FUL L1

L3 STR



Structure attributes must be viewed using STN Express query preparation.

L4 96 SEA FILE=REGISTRY SUB=L2 SSS FUL L3  
L5 28 SEA FILE=ZCAPLUS ABB=ON PLU=ON L4  
L6 19 SEA FILE=ZCAPLUS ABB=ON PLU=ON L5 AND (PRD<=20040202 OR  
PD<=20040202)



chain nodes :  
1 2 3 4 5 6 7 8 9 10 11  
chain bonds :  
1-2 2-3 2-5 3-4 5-6 6-7 7-8 8-9 9-10 10-11  
exact/norm bonds :  
1-2 2-3 2-5 3-4 5-6 6-7 7-8 8-9 9-10 10-11  
  
Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS



chain nodes :  
1 2 3 4 5 6 7 8 9 10 11 12  
chain bonds :  
1-2 2-3 2-5 3-4 5-6 6-7 7-8 8-9 9-10 10-11 10-12  
exact/norm bonds :  
1-2 2-3 2-5 3-4 5-6 6-7 7-8 8-9 9-10 10-11 10-12

Match level :  
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS